IBM PS/2 CD-ROM Drive
IBM PS/2 External CD-ROM Drive

Put users online to CD-ROM resources

Install one or more IBM Personal System/2® CD-ROM (Compact Disc Read-Only Memory) Drives on your Micro Channel™-based PS/2® and make vast amounts of information available to your users. Ideal for businesses large and small, these drives let you take advantage of the ever-growing array of information published on CD-ROM. And whether you use existing CD-ROM publications or create your own for catalogs and reference data, IBM PS/2 CD-ROM Drives allow you to easily distribute them to your users on economical compact discs. They can even bring powerful personal productivity resources to many different users when they're attached to a LAN server.

The IBM SCSI[1] CD-ROM drives install via either of the IBM PS/2 Micro Channel SCSI Adapters. The internal CD-ROM drive is designed to fit in floorstanding PS/2 Models 60, 65 SX and 80, while the external CD-ROM drive attaches to all Micro Channel-based PS/2s via an external SCSI cable. Both drives accept 5¼" CD-ROM discs and support files written in the (HIGH SIERRA) ISO 9660 industry-standard format. The result: Each compact disc can put the equivalent of over 400 high-density 3.5" diskettes of information online to your users. It's like having over 180,000 pages of information on a single disc. And it all adds up to powerful flexibility and productivity for individuals and LAN users alike.

PS/2 CD-ROM drives at work

Here are some of the ways you can put the IBM PS/2 Internal and External CD-ROM Drives to work for you:

- Distribute company publications and periodicals economically—even comprehensive documents like catalogs, sales manuals and parts books—via high-capacity compact discs
- Provide online access to specialized materials like legal and financial data bases, marketing studies, demographics, corporate financial reports, and more
- Enrich classroom instruction with exciting and innovative educational libraries
- Let LAN users share resources like an online dictionary, thesaurus, spell-checker and ZIP-Code reference[2]
- Enhance your desktop publishing with a wealth of available CD-ROM clip-art illustrations and graphics
- Use your PS/2 for training sessions or multimedia presentations that include music, speech and sound effects
- Replace bulky printed materials and microfilm readers with space-saving CD-ROM discs
- Make your programmers more productive with CD-ROM programmer's libraries

IBM

Feature	Benefit
Industry-standard compact disc format	• Lets you choose from a wide variety of available CD-ROM libraries, publications and references • Provides very large storage capacity—approximately 600 million bytes of data—on a single compact disc • Allows playback of data and sound from the same disc
Industry-standard ANSI SCSI-1 interface	• Allows you to connect multiple CD-ROMs or other ANSI-standard SCSI devices to a single PS/2 SCSI adapter • Provides greater expansion at a lower cost
Internal and external drives	• Support all IBM PS/2 Micro Channel systems (external drive only) • Offer flexibility in configuring your system
380ms average access time	• Gives users quick access to volumes of information
Stereo output jack with volume control	• Lets users connect to amplifier or speakers for playing music or sound effects • Permits headphone connection for private listening

SCSI cabling requirements

Both IBM PS/2 CD-ROM Drives are easily configured to your PS/2 system via either of the IBM PS/2 Micro Channel SCSI Adapters and the following IBM SCSI cabling attachments:

Internal CD-ROM drive attachment

- CD-ROM Kit A, Part Number 6450847

External CD-ROM drive attachment

- SCSI Card to Option Cable, Part Number 6451041 (includes Option Interface Terminator)
- SCSI Option to Option Cable, Part Number 6451042 (for use with multiple external devices)

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[1] Small Computer System Interface as defined in ANSI Standard X3.131-1986
[2] Some configuration limitations may apply.
[3] OS/2 device driver available in the first half of 1990.
[4] IBM intends to provide CD-ROM drive support in AIX PS/2 to allow the operation of the drives on PS/2s running under AIX.

IBM PS/2 Internal and External CD-ROM Drives at a glance

Drive type	PS/2 CD-ROM Drive (internal)	PS/2 External CD-ROM Drive
Part number	6450845	3510001
CD-ROM format	(HIGH SIERRA) ISO 9660 standard format; IEC 908 audio	
Storage capacity	Approximately 600Mb per compact disc	
Data transfer rates	150Kb/second sustained; 1.5Mb/second burst	
Access time	380ms average access time	
SCSI device interface	Meets ANSI X3.131-1986 SCSI-1 standard and has an external SCSI device ID selector	
SCSI cabling interface	Single-ended SCSI interface connector with built-in terminator; requires CD-ROM Drive Kit A	Two (2) 50-pin SCSI connectors to allow "daisy-chaining" of multiple devices using SCSI cabling
Systems supported	PS/2 Micro Channel Models 60, 65 SX and 80 386 with SCSI Adapter	All PS/2 Micro Channel Models with SCSI Adapter
Operating systems supported	DOS 3.3 and higher via Microsoft® DOS CD extensions (included with IBM CD-ROM drives); Operating System/2™ Extended Edition 1.2 and Standard Edition 1.2,[3] IBM AIX™ PS/2[4]	
Analog stereo output	1/8" stereo phone output jack with volume control	1/8" stereo phone output jack with volume control; left and right stereo line outputs
Power supply	Derives power from PS/2 system unit	32-watt universal power supply
Warranty	One-year limited warranty	

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